# LOUISIANA WATER QUALITY MANAGEMENT PLAN

## VOLUME 8

## WASTELOAD ALLOCATIONS/TOTAL MAXIMUM DAILY LOADS AND EFFLUENT LIMITATIONS POLICY

TABLE OF CONTENTS

# LOUISIANA WATER QUALITY MANAGEMENT PLAN

## WASTELOAD ALLOCATIONS AND DISCHARGER INVENTORY
## INTRODUCTION

This volume of the Louisiana Water Quality Management Plan (the Plan) includes the policies and guidelines which form the basis for the effluent limitations set forth in Louisiana Department of Environmental Quality (LDEQ) wastewater discharge permits. In order to meet the requirements of Federal Water Quality Planning and Management regulations, 40 CFR Part 130, policies have been developed and/or wasteload allocations established through water quality modeling efforts, and these are described within this document. Based upon these policies or wasteload allocations, effluent limits are established to ensure that water quality standards are met and designated uses are protected in the receiving streams. The effluent limits and policies contained herein supersede those contained in previous editions of the Louisiana Water Quality Management Plan.

Any facility which is discharging into any waters of the state is required by law to apply for a wastewater discharge permit. All dischargers must submit a permit application to the LDEQ, Office of Environmental Services, Permits Division.

For the purpose of identifying those waterbodies which are not meeting water quality standards, an analysis of current water quality data is performed for all ambient water quality monitoring sites every two years. Utilizing this data analysis, the State prioritizes those waterbodies for development of total maximum daily loads (TMDL's) and wasteload allocations. Some of these waterbodies may require implementation of additional control measures to meet water quality standards. Those waterbodies which are not meeting applicable water quality standards are classified as *water quality limited*. The main stems of the Atchafalaya River (segments 0101, 0102, 0105, 0108), the Red River (segments 1001, 1002), and the Mississippi River (segments 0701, 0702, 0703) are classified as effluent limited. These major rivers are classified as effluent limited because they are expected to meet applicable water quality standards due to their large assimilative capacity. Sanitary waste treatment facilities which discharge directly into one of these major rivers or into any river, bayou, canal, or distributary of one of these rivers having a 7Q10 flow greater than or equal to the minimum 7Q10 flow of any of these three rivers are required to meet secondary levels of treatment. All other waterbodies of the state are classified based upon the assessment of current water quality data; these classifications are provided in the State's biennial water quality report, known as the *305(b) Report* or *the Integrated Report*. Facilities discharging into water quality limited waterbodies will be assigned effluent limits on a case-by-case basis as TMDL's are

developed. These classifications will be revised as data becomes available which, upon evaluation, justifies a change in classification.

The assignation of effluent limitations is based on the designated uses of the receiving waterbody, the water quality in the area, the number and type of discharges to the waterbody, and the assimilative capabilities on the waterbody in question. The State has a number of assignation policies which are used to address these and other pertinent factors in decisions regarding the preservation of water quality. The procedural conditions applied in the development of effluent limits for discharge permits are explained below.

(1) ANALYTICAL BASIS FOR DEVELOPMENT OF EFFLUENT LIMITS

All facilities (unless in an area specifically identified in the Areawide Policies or TMDL Based Limitations) with discharge flows of 25,000 gallons per day (GPD) or less are normally assigned secondary levels of treatment. Facilities with flow greater than 25,000 GPD are assigned limits based on the Statewide Sanitary Effluent Limitations Policy located in Appendix B. As time permits and TMDL's are developed, such facilities may be assigned limits on a case-by-case basis. In its assessment of discharges and development of necessary effluent limits the LDEQ may use the expected flow of discharge rather than the design capacity of the facility.

For permit writing purposes, the total suspended solids (TSS) effluent limitations shall be based on a case-by-case evaluation of the treatment technology utilized. Since there is no numeric water quality criterion for TSS, these limitations are not water quality based. However, under no circumstances shall final TSS effluent limitations be less stringent than secondary treatment levels as defined in LAC 33:IX.709.

(2) INDIVIDUAL DISCHARGE ANALYSIS

It is to be noted that the limits applied in this plan are minimum limits. The LDEQ reserves the right to perform individual analyses for any particular discharge should such analyses be warranted based upon the LDEQ's assessment of ambient conditions, chemical characteristics and/or physical characteristics of the effluent being discharged. The LDEQ also reserves the right to assign an effluent limitation based upon the individual analysis, regardless of any previously established effluent limitation. Should any discharger be dissatisfied with the effluent limitation assigned in the Plan, then such discharger will be responsible for meeting any limit assigned through the execution of a subsequent individual analysis (wasteload allocation/total maximum daily load –TMDL-determination), regardless of whether the latter limit is more or less stringent than that which currently appears in the Plan. In all cases the LDEQ will follow standard procedures required for public review and comment for the effluent limits.

(3) AGGREGATE AREAL DISCHARGE FLOWS

The allocations appearing in the Plan normally apply to discharges which impact a receiving stream as single point sources. It may occasionally happen that a concentration of small dischargers have resulted in a total discharge to a common waterbody in such a manner that the combined water quality impact approximates that of a single point source discharge of considerably greater magnitude than any of the individual dischargers. In such a case, the LDEQ reserves the right to assign effluent limits to each individual discharge within the impacted area as though its flow were equal to the aggregate discharge flow of the discharger within that area. This procedure will be used for facilities whose individual discharge volumes are 25,000 GPD or less. Some examples of such cases are: a residential subdivision in which each residence has its own treatment facility; a number of subdivision treatment facilities in close proximity to one another; or, a group of commercial facilities such as restaurants, gas stations, office buildings, trailer parks, etc., each having its own treatment facility.

(4) INDUSTRIAL EFFLUENT LIMITATIONS

Effluent limitations set forth in industrial wastewater discharge permits are based upon approved EPA effluent guidelines for a facility type, if available, or best available technology/ best practicable technology when guidelines are not available. Certain types of minor industrial facilities are covered by LDEQ general permits. All industrial facilities permitted as such are subject to permit reissuance in the event that a TMDL is developed for the receiving stream into which they discharge. Wasteload allocations based upon an approved TMDL will result in water-quality-based effluent limitations which may be more stringent than technology-based limits. If it is otherwise determined by the LDEQ that a water-quality-based permit is required, then the effluent limitations will be derived according to the guidelines described in the *Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, Volume 4 of the Water Quality Management Plan*.

(5) COMPLIANCE SCHEDULES

The LDEQ will assign compliance schedules for dischargers which are currently operating treatment facilities under the authority of a wastewater discharge permit, but whose effluent limits do not currently appear in the certified State Water Quality Management Plan. The compliance schedule will detail the timeframe within which each permitted facility must upgrade its treatment level to conform to that indicated by subsequent wasteload allocations.

These policies are located as appendices at the end of this document and are as follows:

Appendix A: (AELP)- This appendix contains a list of areawide policies for waterbody segments.

Appendix B: (SELP) - This appendix contains policies for establishing effluent limitations for sanitary waste treatment facilities which supersede limits assigned in the original 1980 Basin Plans.

**ATCHAFALAYA RIVER BASIN**

**TMDLS/WLAS**

**EPA's Hg TMDL for Coastal Waters of Atchafalaya River Basin**

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

# BARATARIA BASIN

# TMDLS/WLAS

**Fecal Coliform TMDLs**
**For**
**Barataria Basin Subsegments**

**020401**

**Bayou Lafourche**

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/lafourche_fctmdl052104_f.pdf

**020701**

**Bayou Segnette**

http://www.epa.gov/region6/water/npdes/tmdl/latmdl/segnette_fctmdl052104_f.pdf

**EPA's Hg TMDL for Coastal Waters of Barataria Basin**

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

## 020101

## Bayous Verret, Chevreuil, Citamon, and Grand Bayou

## TMDL for BOD

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | Reduction | Load (kg/day) | Reduction | Load (kg/day) |
| Point Source WLA | 0% | 7 | 0% | 7 |
| Point Source Reserve MOS (20%) | | 2 | | 2 |
| Natural Nonpoint Source LA | 46% | 2321 | 0% | 3091 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 100% | 0 | 98% | 49 |
| Man-made Nonpoint Source MOS (20%) | | 0 | | 12 |
| TMDL | -- | 2330 | -- | 3161 |

| File Number | Company | Facility | UTM Coordinates | Receiving Water | Expected flow (MGD) | BOD5 (mg/L) |
|---|---|---|---|---|---|---|
| LAG540340 WG020847 | GREENBRIAR SEWER INC | GREENBRIAR SUBD. | 3320819.595686 88394.17644 | BAYOU VERRET | 0.012 | avg 30 |
| LAG530914 | BOH CONST CO | IMC AGRICO FAUSTINA PLT | 3330054.711297 00381.52321 | St James Ph Canal thence to Bayou Verret | 0.0002 | max 45 |
| LAG540673 | ST JAMES FACILITIES CORP | ST JAMES YOUTH CTR | 3331017.511516 92486.29922 | Unnamed ditch to Bayou Verret | 0.0111 | avg 30, max 45 |
| LAG540680 | ST JAMES PH HOUSING AUTHORITY | HYMEL HOUSING PROJ/WELCOME | 3327233.75729 705454.73704 | Local drainage to Bayou Chevreuil | 0.0147 | avg 30, max 45 |
| LAG560016 | ABBY SANITARY SEWERAGE CORP | ABBY PLANTATION MHP | 3304456.29959 706105.72376 | ST. JAMES CANAL | 0.036 | avg 20 |
| LA0000035 | CALDWELL SUGARS COOPERATIVE, INC. | CALDWELL SUGAR MILL | 3299903.296397 09128.73229 | GRAND BAYOU | 0.72 | avg 10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| LAG530788 | TEXAS FUEL & ASPHALT | EAGLE ASPHALT PROD | 3331539.295617 00541.67674 | Local drainage to Bayou Verret | | max 45 |

## 020102, 020103

## Bayou Boeuf, Halpin Canal, Theriot Canal, and Lake Boeuf

## TMDL for BOD

TMDL for subsegment 020102 (sum of CBODu, NBODu, and SOD).

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | **Reduction** | **Load (kg/day)** | **Reduction** | **Load (kg/day)** |
| Point Source WLA | 0% | 123 | 0% | 123 |
| Point Source Reserve MOS (20%) | | 31 | | 31 |
| Natural Nonpoint Source LA | 37% | 2732 | 0% | 3772 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 100% | 0 | 92% | 420 |
| Man-made Nonpoint Source MOS (20%) | | 0 | | 105 |
| TMDL | -- | 2886 | -- | 4451 |

TMDL for subsegment 020103 (sum of CBODu, NBODu, and SOD).

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | **Reduction** | **Load (kg/day)** | **Reduction** | **Load (kg/day)** |
| Point Source WLA | 0% | 0 | 0% | 0 |
| Point Source Reserve MOS (20%) | | 0 | | 0 |
| Natural Nonpoint Source LA | 37% | 9003 | 0% | 13360 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 100% | 0 | 92% | 7 |
| Man-made Nonpoint Source MOS (20%) | | 0 | | 2 |
| TMDL | -- | 9003 | -- | 13369 |

**020201**

**Bayou des Allemands**

**EPA's TMDL for BOD and Nutrients**

**http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/020201desalledonut_tmdl305f.pdf**

## 020301

## Bayou des Allemands

## TMDL for BOD

TMDL for Bayou des Allemands (Sum of CBODu, NBODu, and SOD).

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | Reduction | Load (kg/day) | Reduction | Load (kg/day) |
| Point Source WLA | 0% | 16 | 0% | 16 |
| Point Source Reserve MOS (20%) | | 4 | | 4 |
| Natural Nonpoint Source LA | 0% | 37374 | 0% | 32756 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 86% | 2251 | 0% | 12499 |
| Man-made Nonpoint Source MOS (20%) | | 563 | | 3125 |
| TMDL | -- | 40208 | -- | 48400 |

Information for point source discharges in subsegment 020301.

| FILE NUMBER | COMPANY | FACILITY TYPE | LOCATION | RECEIVING WATER | EXPECTED FLOW (MGD) | BOD5 LIMIT (MG/L) |
|---|---|---|---|---|---|---|
| LAG750349 | Phat Daddy’s | Commercial Car Wash | "Raceland, 1556 Hwy 90 e, lot #9" | "Godchaux Canal, via local drainage" | | |
| LA0003239 | Raceland Raw Sugars Corporation | "Sugar Mill, Raw Sugar & Molass" | "Raceland, Hwy 3199 & Mill St" | Godchaux Canal | | Average 10 |
| LAG540909 | Gibbens & Lefort Inc Presto Fuel Center LLC | Truck Stop/Convenience Store/Rrest | "Raceland, on Hwy 90 e; 3 m e of LA 1" | Godchaux Canal | 0.0075 | Average 30 |
| LAG530277, WG-010101 | Judy's Trailer Park | "1,800 gpd Mechanical STP" | "des Allemands, Hwy 90" | Unnamed canal-Bayou des Allemands | 0.0018 | |
| WG110021 | Somme's Lucky 7 Truck Stop | Service Station | des Allemands, 4298 Hwy 90 | | | |

**020303**

**Lake Cataouatche**

**EPA's TMDL for BOD and Nutrients**

**http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/020303cataoudonut_tmdl305f.pdf**

**020401**

**Bayou Lafourche**

**EPA's TMDL for BOD**

**http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/blafourdo_nut020401f.pdf**

## 020501

## Main Canal and Ancillary Canals

## TMDL for BOD

TMDL for Main Canal (Sum of CBODu, NBODu, and SOD).

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | Reduction | Load (kg/day) | Reduction | Load (kg/day) |
| Point Source WLA | 0% | 268 | 0% | 268 |
| Point Source Reserve MOS (20%) | | 67 | | 67 |
| Natural Nonpoint Source LA | 32% | 287 | 2% | 389 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 100% | 0 | 100% | 0 |
| Man-made Nonpoint Source MOS (20%) | | 0 | | 0 |
| TMDL | -- | 622 | -- | 724 |

Discharger Information for 020501

| File Number | Company | Facility | Facility Type | Receiving Water | Expected Flow (Mgd) | Bod5 (Mg/L) | Tss (Mg/L) |
|---|---|---|---|---|---|---|---|
| La0093157 | Southern Recovery Mgmt Inc | Greater New Orleans Landfill | Sanitary Landfill | Dusuaus Canal, Sellers Canal - B Verret - Lake Cataouatche | -- | Avg 30, Max 45 | Avg 90, Max 135 |
| | | | | | | Avg 30, Max 45 | Avg 90, Max 135 |
| La0099473 | River Birch Inc | River Birch Landfill | Sanitary Landfill | Sauls Canal - Waggaman Canal - Outfall Canal - Lake Cataouatche | 0.23+ | Avg 30, Max 45 | Avg 30, Max 45 |
| | | | | | | Avg 45 | -- |
| La0072214 | Browning-Ferris Ind (Bfi) | Area Ninety Landfill, Inc | Sanitary Landfill | Inner Cataouatche Drainage C – Outer Cataouatche Drainage C - B Verret - Lake Cataouatche | -- | Avg 30, Max 45 | Avg 90, Max 135 |
| La0059871 | Paktank Corp | Westwego Terminal | Liquid Bulk Terminal Stormwate | Bayou Segnette (Via Canals And Ditches Within Subsegment 020501) | -- | -- | Max 90 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| La0089052 | Jefferson Ph Dept Of Public Works | Jefferson Ph Ldfl | Landfill | Waggaman Canal - Outfall Canal - Lake Cataouatche | -- | Avg 30, Max 45 | Avg 90, Max 135 |

## 020701

## Bayou Segnette

## TMDL for BOD

TMDL for Bayou Segnette (Sum of CBODu, NBODu, and SOD).

| | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | Reduction | Load (kg/day) | Reduction | Load (kg/day) |
| Point Source WLA | 0% | 1 | 0% | 1 |
| Point Source Reserve MOS (20%) | | 0 | | 0 |
| Natural Nonpoint Source LA | 34% | 9589 | 0% | 12075 |
| Natural Nonpoint Source MOS (0%) | | 0 | | 0 |
| Man-made Nonpoint Source LA | 100% | 0 | 71% | 3091 |
| Man-made Nonpoint Source MOS (20%) | | 0 | | 773 |
| TMDL | -- | 9590 | -- | 15940 |

Information for point source discharges in subsegment 020701

| File Number | Company | Facility | Facility Type | Receiving Water | Expected flow (MGD) | BOD5 (mg/L) |
|---|---|---|---|---|---|---|
| LAG530881 | Master Lube of LA, Inc. | | Oil Lube Cntr | Estelle Canal | 0.001 | 45 |
| LAG530921 | Jefferson Parish Dept. Drainage Pump Sta. | Ames Pump Sta. | Drainage Pump Station | Bayou Segnette (via Millaudon Canal) | 0.00008 | 45 |
| LAG110008 | Lafarge Construction Materials | Westbank Plant | Ready Mix Concrete Plant | Bayou Segnette | | |
| LA0108022 | Hilcorp Energy Co. | | Oil/Gas Exp. Prod. &Dev. | B. Segnette, Dugas C, Outer Cataouatche | | |
| LAG530923 | Jefferson Parish Dept. Drainage Pump Sta. | Westminster Lincolnshire Pump Sta. | Drainage Pump Station | Bayou Segnette (via unnamed canal) | 0.00008 | 45 |

# CALCASIEU RIVER BASIN

# TMDLS/WLAS

# TMDLs for Toxic Pollutants
# For
# Calcasieu River Basin Subsegments

## EPA's Calcasieu River Basin TMDLs for Selected Toxics

http://www.epa.gov/region6/water/ecopro/latmdl/calctoxics(f).pdf

## 030701

## Bayou Serpent for Fipronil (pesticide)

http://www.epa.gov/region6/water/ecopro/latmdl/serpent_fipronil(f).pdf

## 031201

## EPA's TMDL for Mercury

http://www.epa.gov/region6/water/ecopro/latmdl/coastalcalchg(f).pdf

**TMDL for Lead**
**for**
**Calcasieu River**
**030101, 030102, 030103**

TMDL for lead = 0.287 lb/day

WLA = 0

LA = 0.229 lb/day

# Fecal Coliform TMDLs
# For
# Calcasieu River Basin Subsegments

**030305 Contraband Bayou**

http://www.epa.gov/region6/water/ecopro/latmdl/fccontraband(f).pdf

**030103**

**Kinder Ditch**

**Wasteload Allocation (WLA)**

Facility: Town of Kinder STP

LPDES # LA0020605

Effluent Limits: Summer 5 mg/L $CBOD_5$/ 2 mg/L $NH_3$-N/ 6 mg/L DO
Winter 10 mg/L $CBOD_5$/ 10 mg/L $NH_3$-N/ 6 mg/L DO

**030601, 030602**

**Barnes Creek**

**TMDL for BOD**

Total Maximum Daily Load for Barnes Creek, 030602 (to meet 5.0 mg/L Dissolved Oxygen criterion)

**(Sum of CBOD, $NH_3$-N, and SOD)**

| ALLOCATION | Summer | Winter |
|---|---|---|
| | May – Oct (lbs/day) | Nov - Apr (lbs/day) |
| Point Source WLA* | 1144 | 1144 |
| Point Source Reserve MOS | 286 | 286 |
| Total Nonpoint Source LA | 1786 | 1208 |
| Total Nonpoint Source Reserve MOS | 445 | 301 |
| Total Nonpoint Reduction | 70% | 70% |
| TMDL | 3661 | 2939 |

* The City of DeRidder was the only significant discharger located on Barnes Creek. This discharger is located in subsegment 030601. The seasonal summer dissolved oxygen standard for this subsegment is 2.0 mg/l. No reductions in permit limits for The City of DeRidder are required to maintain this seasonal standard.

Limits for all other facilities in these subsegments are generally set by state policy or guidelines and can continue as such.

City of DeRidder
LA0038407
3.03 MGD
10 mg/L $BOD_5$/15 mg/L TSS

**030603**

**Marsh Bayou**

**TMDL for BOD**

TMDLs and LAs for Marsh Bayou, 030603 (to meet 5.0 mg/L DO criterion)

| Loading Description | Summer season (May – Oct.) BOD Load (lbs./day) | Winter season (Nov. – April) BOD Load (lbs./day) |
|---|---|---|
| Total point source allocations* (WLA) | 0 | 0 |
| Point source margin of safety (MOS) | 0 | 0 |
| Headwater/Tributary Loads | 95 | 110 |
| Benthic Loads (based upon nonpoint and SOD loads used in the projection) | 714 | 490 |
| Total maximum daily load (TMDL) | 809 | 600 |
| Nonpoint source margin of safety (MOS for benthic and boundary loads) | 0 | 0 |
| Natural Nonpoint Load | 809 | 600 |
| Man-Made Nonpoint Load | 0 | 0 |

* Based on available LA DEQ permit data available at the time this TMDL was developed, there were no facilities that were known to be discharging into Marsh Bayou or any of its tributaries.

**030701**

**Bayou Serpent**

**TMDL for BOD**

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD) for Bayou Serpent, 030701

| ALLOCATION | SUMMER | | WINTER | |
|---|---|---|---|---|
| | % Reduction Required | (MAR-NOV) (lbs/day) | % Reduction Required | (DEC-FEB) (lbs/day) |
| Point Source WLA | 0 | 35 | 0 | 35 |
| Point Source MOS (20%) | 0 | 9 | 20 | 9 |
| Nonpoint Source LA | 90 | 545 | 50 | 3471 |
| | | | | |
| | | | | |
| Nonpoint Source MOS (0% Summer; 10%, Winter) | 0 | 0 | 10 | 371 |
| TMDL | | 589 | | 3886 |

The discharger inventory for the Bayou Serpent watershed was reviewed. There are only 4 dischargers listed in the LDEQ Permit Tracking System. These facilities were evaluated based on the volume of their discharge, their location with respect to the listed waterbody, any water quality data which demonstrated their impact or lack of impact, whether or not the NPS contribution included any small facilities, and best professional judgment. Only the Village of Fenton was considered to have any ability to impact the target reaches. The Village of Fenton discharges to an unnamed ditch which flows 1.68 miles to Little Bayou thence 5.35 miles to Bayou Serpent. An uncalibrated model was performed for the receiving stream for the Village of Fenton STP: the Unnamed Ditch to Little Bayou to Bayou Serpent. The uncalibrated model showed that Fenton has no impact on either Little Bayou or Bayou Serpent. The results of the uncalibrated model were entered in the summer projection model for Bayou Serpent. The list of facilities and the modeling decision for each is shown on the following page.

Discharger Inventory for Subsegment 030701

| FACILITY | FILE_NUM | Out-fall No. | OUTFALL DESCRIPTION | FAC_TYPE | REC_WATER | EXPECTED FLOW, GPD | BOD, mg/L | TSS, mg/L | MODELING COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| KINDER COMP. STA. 823 | LA 0045918 | 1 | storm water runoff, treated sanitary from 101, equipment washwater, condensed water from air compressor system, and building floor drainage | NATURAL GAS COMPRESSOR STATION | UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU | | | | No Impact - Not modeled |
| KINDER COMP. STA. 823 | LA 0045918 | 101 | sanitary sewage | NATURAL GAS COMPRESSOR STATION | UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU | 480 | 45 | 45 | expected flow is from new app; permit has 400 gpd; No Impact - Not modeled |
| FENTON, VILLAGE OF (STP) | LAG 560102 | 1 | sanitary sewage | 45,000 GPD EXT. AIR T.P. | DITCH-LITTLE BAYOU-BAYOU SERPENT | 36000 | 20 | 20 | Class III permit for Q< 50,000; App indicates a design flow of 36,000 gpd; DMRs indicate wide variation from month to month; need uncalibrated model |
| Mobile City Campground | LAG 540826 | 1 | sanitary sewage | CAMPGROUND/STP | LOCAL-BAYOU SERPEANT | 6250 | 30 | 30 | Class II permit for Q< 25,000; App indicates a design flow of 6,250 gpd based on 125 campsites; discontinuous flow, seasonal, ditch dry during recon; No Impact - Not modeled |
| WOODLAWN COMPRESSOR STA | LA 0111881 | 1 | storm water runoff | NAT GAS COMPRESSOR STA | BAYOU ARCENEAUX | | | | No Impact - Not modeled |
| WOODLAWN COMPRESSOR STA | LA 0111881 | 2 | sanitary sewage | NAT GAS COMPRESSOR STA | BAYOU ARCENEAUX | 500 | | | No Impact - Not modeled |
| FACILITY | FILE_NUM | Out-fall No. | OUTFALL DESCRIPTION | FAC_TYPE | REC_WATER | EXPECTED FLOW, GPD | BOD, mg/L | TSS, mg/L | MODELING COMMENTS |
| WOODLAWN | LA 01118 | 3 | storm water runoff | NAT GAS COMPRESS | BAYOU ARCENEAUX | | | | No Impact - Not modeled |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPRESSOR STA | 81 | | | OR STA | | | | | |
| RICE ACRES WELL PIPELINE | LAR 10B045 | 1 | unknown | CONST SWGP | LITTLE BAYOU | | | | Construction activities storm water only; potential for discharge is "unlikely"; |
| IOWA GAS PLT | LA 0093921 | 1 | sanitary sewage | NATURAL GAS PROCESSING | UNNAMED DITCH - LOUISIANA IRRIGATION CANAL - BAYOU ARCENEAUX - CALCASIEU RIVER | 1080 | 45 | 45 | Zero discharge system was installed but there are bypasses which can be used to divert any overflow to the stream. Discharges to English Bayou, not Bayou Serpent |

The existing point sources have no impact on the main stem of Bayou Serpent and require no changes to their permitted discharges.

**030702**

**English Bayou**

**TMDL/WLA for BOD**

| | | |
|---|---|---|
| Calcasieu Sewer District # 11 | 0.22 MGD | 10 $CBOD_5$/10 $NH_3$-N/2 DO |

**030804**

**Little River**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Little River, 030804

| | Summer season (Mar – Nov) | | Winter season (Dec – Feb) | |
|---|---|---|---|---|
| Point source allocations (WLA) | BOD Load (lbs./day) | % of TMDL | BOD Load (lbs./day) | % of TMDL |
| Total point source allocations (WLA) | 0 | 0 | 0 | 0 |
| Point source margin of safety (MOS) | 0 | 0 | 0 | 0 |
| Headwater/Tributary Loads | 9 | 1 | 91 | 10 |
| Benthic Loads (based upon nonpoint and SOD loads used in the projection) | 1155 | 88 | 693 | 74 |
| Incremental Loads | 148 | 11 | 148 | 16 |
| Total maximum daily load (TMDL) | 1312 | 100 | 932 | 100 |
| Nonpoint source margin of safety (MOS for benthic, incremental, and boundary loads) | 262 | 20 | 186 | 20 |

Point source dischargers:

At the time that this TMDL was developed, Subsegment 030804 was void of any known oxygen-demanding point source dischargers. There is a CECOS facility along the lower reaches of Little River. Based upon permit file research and a site visit during the reconaissance survey, it was determined that all of the cells and lagoons at this site have been closed. The company uses this facility only for deep well injection. According to the permit file information, this facility discharges stormwater at three different outfalls during rainfall events. It is not permitted for oxygen-demanding substances.

**030805**

**Indian Bayou**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Indian Bayou, 030805

| Current Standard: | Summer season (Mar - Nov) | | Winter season (Dec - Feb) | |
|---|---|---|---|---|
| | BOD Loading (lbs/day) | % of TMDL | BOD Loading (lbs/day) | % of TMDL |
| Headwater/Tributary Loads | 18 | 0.22 | 65 | 0.74 |
| Benthic Loads | 5,604 | 79.78 | 5,604 | 79.26 |
| Point Source Loads | 0 | 0 | 0 | 0 |
| Margin Of Safety | 1,401 | 20.00 | 1,401 | 20.00 |
| Reduction of man-made nonpoint | 60% | | 60% | |
| Total maximum daily load (TMDL) | 7,024 | 100 | 7,070 | 100 |

The dischargers located in this watershed will be given effluent limitations according to the state effluent limitations policy.

**030806**

**Houston River**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Houston River, 030806

| | 3 mg/L DO, Mar-Nov | 5 mg/L DO, Dec-Feb |
|---|---|---|
| Point Source WLA, lb/day of oxygen demand | 322 | 322 |
| Point Source MOS, lb/day of oxygen demand | 79 | 79 |
| Nonpoint LA, lb/day of oxygen demand | 7162 | 11262 |
| Nonpoint MOS, lb/day of oxygen demand | 0 | 988 |
| TMDL, lb/day of oxygen demand | 7563 | 12651 |

Permit Limits for Facilities Included in the Houston River TMDL Model:

City of DeQuincy (discharges to Buxton Creek 13.5 miles from the Houston River)
LA0038709
1.1 MGD
10 mg/L $CBOD_5$/2 mg/L $NH_3$-N/5 mg/L DO

Permit Limits for Facilities Not Included in the Houston River TMDL Model

| FACILITY | CURRENT PERMIT LIMITS ($BOD_5$/$NH_3$-N), mg/L | POLICY PERMIT LIMITS ($CBOD_5$/$NH_3$-N), MONTHLY AVERAGE, mg/L |
|---|---|---|
| BIG OAKS RV PARK LAG530081 | 45/none (weekly average) | 30/policy |
| DEQUINCY MIDDLE SCH, CALCASIEU PAR SCH BD, LAG540207 | 30/none (monthly average) | 30/policy |
| PIERCE ACRES MOBILE HOME PARK LAG540561 | 30/none (monthly average) | 30/policy |
| WESTERN GARDEN APT, CALHOUN PROPERTY MGMT INC LAG540855 | 30/none (monthly average) | 30/policy |

**Turbidity, TSS, TDS, Cl TMDLs**
**For**
**Calcasieu River Basin Subsegments**

**030702 English Bayou for Turbidity**
http://www.epa.gov/region6/water/ecopro/latmdl/engtss(f).pdf

# LAKE PONTCHARTRAIN BASIN

# TMDLS/WLAS

**EPA's Hg TMDL for Coastal Waters of Lake Pontchartrain Basin**

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

**040501**

## Joseph's Branch

| | | |
|---|---|---|
| City of Greensburg | 0.11 MGD | 10 $CBOD_5$/2 $NH_3$-N (Summer/May-October) |
| | | Secondary (Winter/November-April) |

# MERMENTAU RIVER BASIN

# TMDLS/WLAS

# Fecal Coliform TMDLs
# For
# Mermentau River Basin Subsegments

**050101 Bayou des Cannes**
http://www.epa.gov/region6/water/ecopro/latmdl/bayoudescannesfecal_f.pdf

**050102 Bayou Joe Marcel**
http://www.epa.gov/region6/water/ecopro/latmdl/joemarcelfecal.pdf

**050201 Bayou Plaquemine Brule**
http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrulefecal_f.pdf

**050301 Bayou Nezpique**
**050303 Bayou Castor**
http://www.epa.gov/region6/water/ecopro/latmdl/bayounezpiquecastorfecal_f.pdf

**Turbidity, TSS, TDS, Cl TMDLs**
**For**
**Mermentau River Basin Subsegments**

**Mermentau River Basin**

http://www.epa.gov/region6/water/ecopro/latmdl/mermentautss_f.pdf

**050501 Bayou Queue de Tortue**

http://www.epa.gov/region6/water/ecopro/latmdl/bayouqueuedetortueturbidity_f.pdf

**050703 White Lake**

http://www.epa.gov/region6/water/ecopro/latmdl/whitelaketds_f.pdf

http://www.epa.gov/region6/water/ecopro/latmdl/whitelakechloride_f.pdf

# Mercury TMDL
# For
# Mermentau River Basin

## Mermentau River Basin

http://www.epa.gov/region6/water/ecopro/latmdl/mercurytmdls_f.pdf

**Pesticides TMDLs**
**For**
**Mermentau River Basin**

**Fipronil** http://www.epa.gov/region6/water/ecopro/latmdl/fipronil_merm(f).pdf

**Carbofuran** http://www.epa.gov/region6/water/ecopro/latmdl/carbofuran_mermvt(f).pdf

**TMDL for BOD**

**050501**

**Bayou Queue de Tortue**

City of Duson 0.190 MGD 10 $CBOD_5$/5 $NH_3$-N/6 DO (Summer/Mar-Nov)

30 $CBOD_5$/15 $NH_3$-N/5 DO (Winter/Dec-Feb)

TMDL for Bayou Queue de Tortue

| | Summer season (Mar – Nov) | | Winter season (Dec – Feb) | |
|---|---|---|---|---|
| Point source allocations (WLA) | Load (lbs./day) | % of TMDL | Load (lbs./day) | % of TMDL |
| Total point source allocations (WLA) | 79.8 | 0.16 | 239.5 | 0.63 |
| Point source margin of safety (MOS) | 20.0 | 0.04 | 59.9 | 0.16 |
| Headwater/Tributary Loads | 4.5 | 0.009 | 45.0 | 0.12 |
| Benthic Loads | 48,339.9 | 99.8 | 37,857.3 | 99.10 |
| Reduction of man-made nonpoint | 60 % | | 60 % | |
| Nonpoint source margin of safety (MOS) | 0 % | | 0 % | |
| Total maximum daily load (TMDL) | 48,444 | 100.0 | 38,202 | 100.0 |

**TMDL for BOD**
**Bayou des Cannes**
**050101, 050103, 050201**

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou des Cannes

| ALLOCATION | SUMMER (MAR-NOV) (lbs/day) | WINTER (DEC-FEB) (lbs/day) |
|---|---|---|
| Point Source WLA | 228 | 228 |
| Point Source Reserve MOS | 57 | 57 |
| Headwater/Tributary Loads | 2,027 | 5,577 |
| Benthic Loads | 14,324 | 14,324 |
| TMDL | 16,636 | 20,186 |

Town of Iota (Summer/Mar-Nov) 10 mg/L $CBOD_5$/10 mg/L $NH_3$-N + post reaeration

10 mg/L $CBOD_5$/10 mg/L $NH_3$-N/2 mg/L DO (Winter/Dec-Feb)

**TMDL for BOD**
**Bayou Plaquemine Brule and Tributaries**
**050201**

| Facility | Flow (mgd) | Permit limitations ($BOD_5$/$NH_3$-N/DO) Summer | Permit limitations ($BOD_5$/$NH_3$-N/DO) Winter | Projected limits ($BOD_5$/$NH_3$-N/DO) Summer | Projected limits ($BOD_5$/$NH_3$-N/DO) Winter |
|---|---|---|---|---|---|
| Church Point POTW | 0.80 | 10/2/6 | 10/10/6 | 10/2/5 | 20/10/6 |
| Atwood Acres STP | .046 | 20/-/- | --- | 10/5/5 | 30/15/6 |
| Acadian Fine Foods STP | .025 | 20/-/- | --- | 20/10/2 | 30/15/2 |
| North Rayne POTW | .020 | 20/-/- | --- | 20/10/2 | 30/15/2 |
| Crowley High School POTW | .034 | 30/-/- | --- | 10/5/5 | 30/15/6 |
| Crowley POTW | 2.47 | 5/2/5 | 10/2/5 | 5/5/5 | 10/5/6 |
| Rayne POTW | 1.50 | 10/-/- | --- | 10/5/5 | 10/5/6 |
| Estherwood POTW | .080 | 10/-/- | --- | 10/10/2 | 30/15/2 |

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Plaquemine Brule

| Point source allocations (WLA) | Summer season (Mar – Nov) Load | Summer season (Mar – Nov) % of TMDL | Winter season (Dec – Feb) Load | Winter season (Dec – Feb) % of TMDL |
|---|---|---|---|---|
| Church Point POTW | 211 lbs/day | | 594 lbs/day | |
| Atwood Acres STP | 17.1 lbs/day | | 51.3 lbs/day | |
| Acadian Fine Foods STP | 18.6 lbs/day | | 28.0 lbs/day | |
| North Rayne POTW | 25.6 lbs/day | | 38.4 lbs/day | |
| Crowley High School POTW | 8.9 lbs/day | | 26.7 lbs/day | |
| Crowley POTW | 680 lbs/day | | 917 lbs/day | |
| Rayne POTW | 557 lbs/day | | 557 lbs/day | |
| Estherwood POTW | 22.1 lbs/day | | 44.7 lbs/day | |
| Total point source allocations (WLA) | 1540 lbs/day | 7.3 | 2256 lbs/day | 10.5 |
| Point source margin of safety (MOS) | 385 lbs/day | 1.8 | 564 lbs/day | 2.6 |
| Nonpoint allocation (LA) | 19303 lbs/day | 90.9 | 18701 lbs/day | 86.9 |
| Reduction of man-made nonpoint | 50 % | | 50 % | |
| Nonpoint source margin of safety (MOS) | 0 % | | 0 % | |
| Total maximum daily load (TMDL) | 21227 lbs/day | | 21522 lbs/day | |

# TMDL for BOD
# Bayou Nezpique and Tributaries
# 050301, 050302, 050303, 050304

| PERMIT NO. | FACILITY | CURRENT FLOW, MGD | CURRENT LIMITS, mg/l | MODELED FLOW, MGD | SUMMER PROJECTION LIMITS, mg/l | WINTER PROJECTION LIMITS, mg/l |
|---|---|---|---|---|---|---|
| LA0033430 | OAKDALE, CITY OF (WWTP) | 1.46 | 10BOD5/15TSS | 1.83 | 10BOD5/10NH3/6DO | 10BOD5/10NH3/5DO |
| LA0079057 | PINE PRAIRIE, VILLAGE OF (STP) | 0.1 | 10BOD5/15TSS | 0.13 | 10BOD5/10NH3/6DO | 10BOD5/10NH3/5DO |
| LA0109452 | REDDELL STP | 0.068 | 10BOD5/15TSS/5NH3/5DO-SUMMER 20BOD5/15TSS/10NH3/5DO-WINTER | 0.084 | 5BOD5/5NH3/6DO | 10BOD5/5NH3/5DO |
| LAG560049 | EVANGELINE SEWER CO INC | 0.0364 | 20BOD5/20TSS | 0.05 | 10BOD5/5NH3/6DO | 20BOD5/10NH3/5DO |
| LA0020125 | MAMOU, TOWN OF (WWTP) | 0.6 | 10BOD5/15TSS/2NH3/5DO | 0.75 | 10BOD5/2NH3/5DO | 10BOD5/2NH3/5DO |
| LA0020087 | OBERLIN, TOWN OF (STP) | 0.363 | 10BOD5/15TSS | 0.45 | 5BOD5/2NH3/6DO | 10BOD5/10NH3/5DO |
| LA0061719 | ELTON, TOWN OF (WWTP) | 0.193 | 10BOD5/15TSS | 0.24 | 5BOD5/2NH3/6DO | 10BOD5/10NH3/5DO |
| LA0044865 | BASILE WWTP | 0.5 | 10BOD5/15TSS | 0.63 | 5BOD5/2NH3/6DO | 10BOD5/7.5NH3/5DO |
| LA0041769 | JENNINGS, CITY OF (STP) | 2.5 | 10BOD5/15TSS | 3.13 | 5BOD5/2NH3/6DO | 5BOD5/5NH3/6DO |

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Nezpique

| ALLOCATION | SUMMER (MAR-NOV) (lbs/day) | WINTER (DEC-FEB) (lbs/day) |
|---|---|---|
| Point Source WLA | 1,646.13 | 2294.95 |
| Point Source Reserve MOS | 411.53 | 573.75 |
| Natural Nonpoint Source LA | 12,394.65 | 9,446.57 |
| Natural Nonpoint Source Reserve MOS | 3,098.66 | 2,361.64 |
| Manmade Nonpoint Source LA | 959.80 | 1,011.28 |
| Manmade Nonpoint Source Reserve MOS | 239.95 | 252.82 |
| TMDL | 18,750.73 | 15,940.97 |

**TMDL for BOD**
**Mermentau River**
**050401**

Facility Discharge Limits

| PERMIT NO. | FACILITY | CURRENT FLOW, MGD | CURRENT LIMITS, mg/l | MODELED FLOW, MGD | SUMMER PROJECTION LIMITS, mg/l | WINTER PROJECTION LIMITS, mg/l |
|---|---|---|---|---|---|---|
| | Village of Mermentau | 0.085 | 10BOD5/15TSS | 0.106 | 10BOD5/10NH3 | 10BOD5/10NH3 |
| | BCI LA / Shepherd Oil ethanol plant | 1.4 | 20BOD5/30TSS | 1.75 | 10BOD5/10NH3 | 20BOD5/10NH3 |

Total Maximum Daily Load for Mermentau River

| ALLOCATION | SUMMER (MAR-NOV) (lbs/day) | WINTER (DEC-FEB) (lbs/day) |
|---|---|---|
| Point Source WLA | 817 | 1085 |
| Point Source Reserve MOS | 204 | 271 |
| Natural/Manmade Nonpoint Source LA | 37,702 | 35,981 |
| Headwater/Tributary Source LA | 2188 | 5412 |
| | | |
| TMDL = WLA + LA + MOS | 40,910 | 42,749 |

**TMDL for BOD**
**Bayou Lacassine**
**050601**

Facility Discharge Limits

| | |
|---|---|
| Town of Welsh | 10 $CBOD_5$/2 $NH_3$-N/5 DO (Summer/ Mar-Nov)<br>10 $CBOD_5$/15 $NH_3$-N/2 DO (Winter/Dec-Feb) |

Lacassine Syrup Mill *

| | |
|---|---|
| Winter Season Limits: | CBOD5 (maximum) 10.0 mg/l<br>Dissolved Oxygen (minimum) 5.0mg/L<br>Monitor dissolved oxygen in receiving Stream |
| Summer Season Limits: | CBOD5 (maximum) 5.0 mg/l<br>Dissolved Oxygen (minimum) 5.0mg/L<br>22% Reduction of nonpoint source load<br>Monitor dissolved oxygen in receiving Stream |

* These effluent limitations are. contingent upon the 22% reduction of man-made nonpoint source loading. Best management practices must be implemented to achieve a 22% reduction of man-made nonpoint loading in the West Bayou Lacassine watershed. Compliance with the required nonpoint reduction will be verified by monitoring dissolved oxygen (in-stream) year-round for compliance with the criteria in the tributary at Abell Road and in both the tributary and West Bayou Lacassine at Ardoin Cove Road.

**BOD and Nutrients TMDLs**
**For**
**Mermentau River Basin Subsegments**

**050101 Bayou des Cannes**
http://www.epa.gov/region6/water/ecopro/latmdl/bayoudesnutrients_f.pdf

**050103 Bayou Mallet for BOD, Nutrients, and Ammonia**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnmallet.pdf

**050201 Bayou Plaquemine Brule for Ammonia**
http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrule_nh3_f.pdf

**050301 Bayou Nezpique**
http://www.epa.gov/region6/water/ecopro/latmdl/bayouneznutrients_f.pdf

**050401 Mermentau River for Ammonia**
http://www.epa.gov/region6/water/ecopro/latmdl/mermentau_nh3_f.pdf

**050402, 050602, 050701, 050702 Lake Arthur, Grand Lake, GIWW**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakearthur.pdf

**050603 Bayou Chene for BOD**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnchene.pdf

**050802, 050901 Big Constance Lake and Mermentau Basin Coastal Waters**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnbigconstance.pdf

# VERMILION-TECHE RIVER BASIN

# TMDLS/WLAS

# Fecal Coliform TMDLs
# For
# Vermilion-Teche River Basin Subsegments

**060205 Bayou Teche**
http://www.epa.gov/region6/water/ecopro/latmdl/bayoutechefecal_f.pdf

**060208 Bayou Boeuf**
http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeuffecal_f.pdf

**060801, 060802 Vermilion River**
http://www.epa.gov/region6/water/ecopro/latmdl/vermilionfecal_f.pdf

# Turbidity, TSS, TDS, Cl, $SO_4$ TMDLs
# For
# Vermilion-Teche River Basin Subsegments

**Vermilion-Teche River Basin for Total Suspended Solids (TSS)**
http://www.epa.gov/region6/water/ecopro/latmdl/vermiliontss_f.pdf

**0602, 0607, 0609 Bayou Teche Watershed for TSS**
http://www.epa.gov/region6/water/ecopro/latmdl/techetss_f.pdf

**060205 Bayou Teche for Salinity, TDS**
http://www.epa.gov/region6/water/ecopro/latmdl/techetds_f.pdf

**060102 Cocodrie Lake for Cl, $SO_4$, TDS**
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_cl_sulf_tds_f.pdf

**060201, 060202 Bayou Cocodrie for TDS**
http://www.epa.gov/region6/water/ecopro/latmdl/bayoucocodrietds_201-202_f.pdf

# Temperature TMDL
# For
# Vermilion-Teche River Basin Subsegments

## 060206 Indian Creek and Indian Creek Reservoir

http://www.epa.gov/region6/water/ecopro/latmdl/indiancreektemp_f.pdf

**TMDL for Copper**
**Bayou Cocodrie**
**060201**

Copper Wasteload allocation (point source load allocation) = 0.507 lbs/day

Copper TMDL = 0.691 lbs/day

**BOD and Nutrients TMDLs**
**For**
**Vermilion-Teche River Basin Subsegments**

**060209 Irish Ditch/Big Bayou**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnirishditch.pdf

**060210 Bayou Carron**
http://www.epa.gov/region6/water/ecopro/latmdl/ftncarron.pdf

**060212, 060207 Chatlin Lake Canal/Bayou du Lac and Bayou des Glaises Diversion Channel** http://www.epa.gov/region6/water/ecopro/latmdl/ftnchatlin.pdf

**060211 West Atchafalaya Borrow Pit Canal**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnborrowpit.pdf

**060601, 061001 Charenton Drainage Canal and West Cote Blanche Bay**
http://www.epa.gov/region6/water/ecopro/latmdl/ftncharenton.pdf

**060701 Tete Bayou**
http://www.epa.gov/region6/water/ecopro/latmdl/ftntete.pdf

**060703 Bayou du Portage**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnduportage.pdf

**060803 Vermilion River Cutoff**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnvermcutoff.pdf

**060901 Bayou Petite Anse**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnpetiteanse.pdf

**060903 Bayou Tigre**
http://www.epa.gov/region6/water/ecopro/latmdl/ftntigre.pdf

**060904 New Iberia Southern Drainage Canal**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnnewiberia.pdf

**060907 Franklin Canal**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnfranklin.pdf

**060908 Spanish Lake**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnspanishlake.pdf

**060909 Lake Peigneur**
http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakepeigneur.pdf

**060911 Dugas Canal**
http://www.epa.gov/region6/water/ecopro/latmdl/ftndugas.pdf

**061103 Freshwater Bayou Canal**

http://www.epa.gov/region6/water/ecopro/latmdl/ftnfreshwaterbayou.pdf

## TMDL for BOD
## Bayou Courtableau
## 060204

| Loads | Summer season (May- Oct) Load (lbs/day) | % of TMDL | Winter season (Nov - Apr) Load (lbs/day) | % of TMDL |
|---|---|---|---|---|
| Headwater/Tributary Loads | 6,374 | 21 | 9,095 | 28 |
| Benthic Loads | 23,369 | 79 | 23,369 | 72 |
| Reduction of man-made nonpoint | 30% | | 30% | |
| Nonpoint source margin of safety (MOS) | 0 | | 0 | |
| Total maximum daily load (TMDL) | 29,743 | 100 | 32,464 | 100 |

## TMDL for Ammonia
## Bayou Courtableau
## 060204

http://www.epa.gov/region6/water/ecopro/latmdl/bayoucourtableau_nh3_f.pdf

**TMDL for BOD**
**Bayou Teche**
**060205, 060301, 060401**

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L):

| **FACILITY** | **CURRENT PERMIT LIMITS ($CBOD_5$/$NH_3$-N/DO), mg/L** | **PROPOSED PERMIT LIMITS ($CBOD_5$/$NH_3$-N/DO), mg/L** |
|---|---|---|
| Port Barre, Town of; Port Barre Wastewater Treatment Plant | 10/*/* | 10/10/2 |
| St. Landry Parish Sewer District #1, Linwood Subdivision | 10/*/* | 10/10/2 |
| CBS Enterprises, CBS Mobile Home Park (east pond) | 30/*/* | 30/15/2 |
| St. Landry Parish School Board, Leonville High School | 30/*/* | 30/15/2 |
| St. Martin Parish School Board, Teche Elementary School | 30/*/* | 30/15/2 |
| Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision | 45/*/* | 45/15/2 |
| Dallas Trailer Park | 45/*/* | 45/15/2 |
| LA Sugar Cane Coop Inc, Breaux Bridge Branch | */*/* | 0/0/2 (once-through non-contact cooling water) |
| Bent Oak Trailer Park | 30/*/* | 30/15/2 |
| St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant | 10/*/* | 5/2/2 |
| Loreauville, Village of | 10/*/* | 10/10/2 |
| Breaux's Bay Craft Inc | 45/*/* | 45/15/2 |
| Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision | 30/*/* | 30/15/2 |
| Cajun Sugar Coop., Inc.; Cajun Sugar Factory | 15/*/* (calculated from mass limit) | 5/0/5 (Sugar mills are not a source of ammonia) |
| | | |

**TMDL for BOD**
**Bayou Teche**
**060205, 060301, 060401**

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L)(continued):

| | | |
|---|---|---|
| Louisiana Water Co.-New Iberia Water Treatment Plant | */*/* | 2/1/2 |
| Iberia Sugar Coop., Inc. | Outfall 004: 18/*/* (calculated from mass limit)<br><br>Outfall 006: */*/* | 18/0/2 (Sugar mills are not a source of ammonia)<br><br>0/0/2 (once-through non-contact cooling water) |
| Bayou Side Trailer Park | 45/*/* | 45/15/2 |
| Mosquito Control Contractors Inc. (MCCI) | 45/*/* | 45/15/2 |
| Iberia Parish Sewer District #1 POTW | | 10 CBOD5/5 NH3-N/2 mg/L DO |
| Iberia Parish Government, Rosedale Subdivision | 30/*/* | 30/15/2 |
| Iberia Parish School Board, Jeanerette Sr. High School | 30/*/* | 30/15/2 |
| Yellow Bowl Restaurant | 45/*/* | 45/15/2 |
| Cypress Bayou Casino | 10/*/* | 10/10/2 |

*Currently not permitted for this parameter

**TMDL for BOD**
**Bayou Teche**
**060205, 060301, 060401**

| Calculation of the TMDL, Winter, 5 mg/L DO | | | |
|---|---|---|---|
| Load description | WLA (lbs/day) | LA (lbs/day) | Reserve/ MOS Load (lbs/day) |
| Point Source loads | 3,157 | | 789 |
| Headwater / Tributary loads | | 23,922 | |
| Benthic loads | | 5,314 | |
| **SUB-TOTAL** | **3,157** | **29,236** | **789** |
| | | | |
| ***TMDL = WLA + LA + MOS*** | | ***33,183*** | |

| Calculation of the TMDL, Summer, 5 mg/L DO | | | |
|---|---|---|---|
| Load description | WLA (lbs/day) | LA (lbs/day) | Reserve/ MOS Load (lbs/day) |
| Point Source loads | 1,624 | | 406 |
| Headwater / Tributary loads | | 25,100 | |
| Benthic loads | | 9,441 | |
| **SUB-TOTAL** | **1,624** | **34,541** | **406** |
| | | | |
| ***TMDL = WLA + LA + MOS*** | | ***36,572*** | |

**TMDL for BOD**
**Bayou Boeuf**
**060208**

http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeufnutrient.pdf

**TMDL for BOD and Nutrients**
**Bayou Cocodrie/Cocodrie Lake/Chicot Lake**
**060201, 060202, 060101, 060102, 060203**

Facility Discharge Limits

| Facility | Flow (mgd) | Projected limits ($BOD_5$/$NH_3$-N /DO) Summer | Winter |
|---|---|---|---|
| City of Glenmora WWTP | 0.30 | 10/15 | 10/15 |
| Village of Forest Hill WWTP | 0.08 | 10/15 | 10/15 |
| CLECO Coughlin Power Station | 118 | 2.7/0 | 2.7/0.09 |
| Chicot State Park | 0.01 | 30/15 | 30/15 |
| Plaquemines Alligator Farm | 0.10 | 10/5 | 10/50 |

**060102 Cocodrie Lake for Ammonia**
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_nh3_nap_f.pdf

**060202 Bayou Cocodrie for Nutrients**
http://www.epa.gov/region6/water/ecopro/latmdl/bayoucoconutrients_f.pdf

**060203 Chicot Lake for Nutrients**
http://www.epa.gov/region6/water/ecopro/latmdl/chicotnutrients_f.pdf

**TMDL for BOD**
**Lake Fausse Pointe/Lake Dauterive**
**060702**

Total Maximum Daily Load (Sum of CBOD, $NH_3N$, and SOD).

| **Source** | **Summer (kg/day)** | **Summer (lbs/day)** | **Winter (kg/day)** | **Winter (lbs/day)** |
|---|---|---|---|---|
| Fausse Pointe State Park WWTP | 6.9 | 15.1 | 6.9 | 15.1 |
| City of New Iberia WWTP | 1,477.0 | 3,256.2 | 1,477.0 | 3,256.2 |
| St. Mary Sugar Coop | 99.4 | 219.1 | 99.4 | 219.1 |
| Total Point Source allocations (WLA) | 1,583.2 | 3,490.4 | 1,583.2 | 3,490.4 |
| Point Source MOS | 395.8 | 872.6 | 395.8 | 872.6 |
| Natural Nonpoint Source LA | 59,438.3 | 131,038.9 | 31,892.2 | 70,310.4 |
| Natural Nonpoint Source MOS | 0.0 | 0.0 | 0.0 | 0.0 |
| Manmade Nonpoint Source LA | 195,756.4 | 431,569.0 | 195,808.8 | 431,684.6 |
| Manmade Nonpoint Source MOS | 48,939.1 | 107,892.3 | 48,952.2 | 107,921.2 |
| TMDL | 306,112.7 | 674,863.2 | 278,632.3 | 614,279.1 |

Current point source discharge limits can be maintained as follows:

| **PERMIT NO.** | **FACILITY** | **CURRENT FLOW (MGD)** | **CURRENT LIMITS (mg/L)** | **MODELED FLOW (MGD)** | **SUMMER PROJECTION LIMITS (mg/L)** | **WINTER PROJECTION LIMITS (mg/L)** |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| LAG540415 | Lake Fausse Pointe State Park | 0.01 | 30 BOD/ 30 TSS | 0.0125 | Same | Same |
| LA0065251 | City of New Iberia | 2.5 | 10 BOD/ 15 TSS | 3.125 | Same | Same |
| LA0005410 | St. Mary Sugar Cooperative | 1.4 | 15 BOD/ 50 TSS | 1.75 | Same | Same |

**TMDL for BOD**
**Vermilion River**
**060801**

http://www.epa.gov/region6/water/ecopro/latmdl/vermilionriverdonitrogen_f.pdf

**060904**

**Rodere Canal**

**WLA for Proposed New Iberia STP**

New Iberia STP (New Admiral Doyle Plant)

Projected Flow: 6.0 MGD

Receiving Stream: Rodere Canal

Summer Limitations: 10 mg/L CBOD / 2 mg/L $NH_3$-N/ 3 mg/L DO

Winter Limitations: 10 mg/L CBOD/10 mg/L $NH_3$-N/ 3 mg/L DO

# Vermilion-Teche River Basin

# Pesticide (Carbofuran) TMDL

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/carbofuran_mermvt(f).pdf

# 061201

# Vermilion-Teche River Basin Coastal Waters

# EPA’s Hg TMDL

# MISSISSIPPI RIVER BASIN

# TMDLS/WLAS

**070601**

**EPA's Hg TMDL for Coastal and Gulf Waters**

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

**070501**

**Bayou Fountain**

| | | |
|---|---|---|
| City of St. Francisville (Summer/May-Oct) | 0.3 MGD | 20 $CBOD_5$/10 $NH_3$-N/5 DO |
| | | 30 $BOD_5$/5 DO (Winter/Nov-April) |

# OUACHITA RIVER BASIN

# TMDLS/WLAS

# TMDLs for Toxic Pollutants
# For
# Ouachita River Basin Subsegments

**080101 Ouachita River for Mercury**
http://www.epa.gov/region6/water/ecopro/latmdl/ouarmercury(f).pdf

**080901, 080903, 081001, 081002, 081201 for Selected Pesticides**
http://www.epa.gov/region6/water/ecopro/latmdl/ouapesticides(f).pdf

**080904, 080912 for Dioxin**
http://www.epa.gov/region6/water/ecopro/latmdl/ouadioxin(f).pdf

**080101**

**Ouachita River**

**TMDL for BOD**

Summer Allocations and TMDLs

| PARAMETER | WLA (lbs/day) | LA (lbs/day) | MOS (lbs/day) | TMDL (lbs/day) |
|---|---|---|---|---|
| UCBOD | 17,821 | 107,719 | 16,424 | 141,964 |
| ORG-N | 6,769 | 22,901 | 4,237 | 33,907 |
| $NH_3$-N | 2,841 | 676 | 785 | 4,302 |
| SOD | 0 | 5.0 | 0.6 | 5.6 |
| TOTAL | 27,430 | 131,301 | 21,447 | 180,177 |

Winter Allocations and TMDLs

| PARAMETER | WLA (lbs/day) | LA (lbs/day) | MOS (lbs/day) | TMDL (lbs/day) |
|---|---|---|---|---|
| UCBOD | 21,228.8 | 139,056.8 | 20,621.4 | 180,906.9 |
| ORG-N | 7,305.8 | 27,779.3 | 4,891.5 | 39,976.6 |
| $NH_3$-N | 3,110.8 | 765.2 | 851.9 | 4,727.8 |
| SOD | 0 | 2.8 | 0.3 | 3.1 |
| TOTAL | 31,645.3 | 167,604.0 | 26,365.1 | 225,614.4 |

Dischargers in subsegment 080101 are listed on the following page..

## Ouachita River Dischargers

| Dischargers | | | | | Permit limits | | |
|---|---|---|---|---|---|---|---|
| Facility | Outfall no. | Permit no. | Outfall ORM | Design flow (mgd) | Temp ($^oF$) | $CBOD_5$ | $NH_3$-N |
| Ouachita Power | 001,002 | LA0112780 | 192.90 | 2.324 | 99 | | |
| Entergy Sterlington | 001,002 | LA0007579 | 192.46 | 159 | 112 | | |
| Town of Sterlington POTW | 001 | LA0046809 | 191.81 | 0.225 | 30 | 30 mg/L | |
| Koch Nitrogen | 001 | LA0094846 | 191.36 | 2.49 | | | 342 lb/d |
| Angus Chemical | 002 | LA0007854 | 189.24 | 0.75 | | 288 lb/d | |
| Entergy Monroe | 001,002 | LA0007765 | 169.29 | 116 | 106 | | |
| Graphic Packaging International* | 001 | LA0007617 | 160.91 | 31.72 | | Hydrograph Limited[1] | |
| West Monroe POTW | * | LA0043982 | | 6.87 | | 30 mg/L | |
| City of Monroe POTW | 001 | LA0038741 | 159.56 | 12.0 | | 10 mg/L | 2 mg/l |

1. Calculated from the 7-day running average of the Ouachita River flow in cfs.

The calculated daily maximum allocations are, for summer season and the current production rate;

For Q ≤ 802 cfs, daily maximum $BOD_5$ = 4,532 lbs/day
For 802 cfs ≤ Q ≤ 5,200 cfs, daily maximum $BOD_5$ = 5.73124Q – 64
For Q ≥ 5,200 cfs, daily maximum $BOD_5$ = 0.63Q + 26,462

for the summer season and the requested increase in production;

For Q ≤ 802 cfs, daily maximum $BOD_5$ = 4,532 lbs/day
For 802 cfs ≤ Q ≤ 5,800 cfs, daily maximum $BOD_5$ = 6.82573Q – 942
For Q ≥ 5,800 cfs, daily maximum $BOD_5$ = 0.63Q + 34,993

for the winter season and the current production rate;

For Q ≤ 1231 cfs, daily maximum $BOD_5$ = 6,991 lbs/day

For 1231 cfs ≤ Q ≤ 5,200 cfs, daily maximum $BOD_5$ = 5.73124Q – 64

For Q ≥ 5,800 cfs, daily maximum $BOD_5$ = 0.63Q + 26,462

and for the winter season and the requested increase in production;

For Q ≤ 1231 cfs, daily maximum $BOD_5$ = 7,460 lbs/day

For 1231 cfs ≤ Q ≤ 5,800 cfs, daily maximum $BOD_5$ = 6.82573Q – 942

For Q ≥ 5,800 cfs, daily maximum $BOD_5$ = 0.63Q + 34,993

**080102**

**Bayou Chauvin**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, $NH_3$-N, and SOD) for Bayou Chauvin, 080102

| Allocation | Summer (May-Oct) | | Winter (Nov-Apr) | |
|---|---|---|---|---|
| | Kgm/day | Lbs/day | Kgm/day | Lbs/day |
| Point Source WLA | 210 | 463 | 584 | 1288 |
| Point Source Reserve MOS | 53 | 117 | 146 | 322 |
| Natural Nonpoint Source LA | 97 | 214 | 67 | 148 |
| Natural Nonpoint Source Reserve MOS | 0 | 0 | 0 | 0 |
| Manmade Nonpoint Source LA | 53 | 117 | 100 | 221 |
| Manmade Nonpoint Source Reserve MOS | 15 | 33 | 25 | 55 |
| TMDL | 428 | 944 | 922 | 2034 |

Benthic Load Reductions and Wasteload Allocations/Effluent Limitations Table 1. Benthic Load Reductions and Wasteload Allocations

| Model reach | Percent summer reduction of man-made benthic load | Percent winter reduction of man-made benthic load | Facility name | WLA as CBOD5/NH3-N/DO | |
|---|---|---|---|---|---|
| | | | | Summer | Winter |
| 1 | 100 | 60 | | | |
| 2 | 100 | 60 | | | |
| 4 | 100 | 60 | | | |
| 5 | 80 | 60 | | | |
| 6 | 80 | 60 | Leisure Village | 16/8/5 | Secondary |
| 7 | 80 | 60 | Oakwood Pond #2 | 8/4/5 | 20/10/5 |
| 8 | 80 | 60 | | | |
| 10 | 80 | 60 | | | |
| 11 | 80 | 60 | | | |
| 13 | 80 | 60 | North Monroe SD #1 | Secondary | Secondary |
| 14 | 0 | 0 | | | |
| 16 | 0 | 0 | | | |
| 18 | 0 | 0 | | | |

| Model | Percent | Percent | Facility name | WLA as CBOD5/NH3-N/DO |
|---|---|---|---|---|

| reach | summer reduction of man-made benthic load | winter reduction of man-made benthic load | | Summer | Winter |
|---|---|---|---|---|---|
| 1 | 100 | 60 | | | |
| 2 | 100 | 60 | | | |
| 4 | 100 | 60 | | | |
| 5 | 80 | 60 | | | |
| 6 | 80 | 60 | Leisure Village | 16/8/5 | Secondary |
| 7 | 80 | 60 | Oakwood Pond #2 | 8/4/5 | 20/10/5 |
| 8 | 80 | 60 | | | |
| 10 | 80 | 60 | | | |
| 11 | 80 | 60 | | | |
| 13 | 80 | 60 | North Monroe SD #1 | Secondary | Secondary |
| 14 | 0 | 0 | | | |
| 16 | 0 | 0 | | | |
| 18 | 0 | 0 | | | |

**Bayou Chauvin TMDL**
**For Noxious Aquatic Plants**

http://www.epa.gov/region6/water/ecopro/latmdl/napchauvin(f).pdf

**080603**

**Bayou D'Arbonne**

**TMDL for BOD**

TMDL for Bayou D'Arbonne (Sum of CBOD, Organic N, Ammonia N, and SOD)

| | Summer (July-Sept) | | Winter (Oct-June) | |
|---|---|---|---|---|
| | **Reduction** | **Load (kg/day)** | **Reduction** | **Load (kg/day)** |
| Point Source WLA | none | 25 | none | 46 |
| Point Source Reserve MOS (20%) | -- | 6 | -- | 11 |
| Natural Nonpoint Source LA | 0% | 401 | 0% | 971 |
| Natural Nonpoint Source MOS (0%) | -- | 0 | -- | 0 |
| Man-made Nonpoint Source LA | 95% | 13 | 85% | 132 |
| Man-made Nonpoint Source MOS (20%) | -- | 5 | -- | 35 |
| TMDL | -- | 450 | -- | 1195 |

Dischargers:

City of Dubach (West Pond)
Advanced Treatment

**080609**

**Corney Bayou**

**TMDL for BOD**

TMDL for Corney Bayou (Sum of CBOD, Organic N, Ammonia N, and SOD)

| | Summer (July-Sept) | | Winter (Oct-June) | |
|---|---|---|---|---|
| | **Reduction** | **Load (kg/day)** | **Reduction** | **Load (kg/day)** |
| Point Source WLA | None | 17 | None | 17 |
| Point Source Reserve MOS (20%) | -- | 4 | -- | 4 |
| Natural Nonpoint Source LA | 0% - 50% | 3972 | 0% | 4066 |
| Natural Nonpoint Source MOS (0%) | -- | 0 | -- | 0 |
| Man-made Nonpoint Source LA | 75% - 100% | 1524 | 60% - 80% | 2456 |
| Man-made Nonpoint Source MOS (20%) | -- | 381 | -- | 619 |
| TMDL | -- | 5898 | -- | 7162 |

**080610**

**Middle Fork Bayou D'Arbonne**

**TMDL for BOD**

TMDL for Middle Fork for summer DO standard (Sum of CBOD, Organic N, Ammonia N, and SOD)

| | Summer (July-Sept) | |
|---|---|---|
| | **Reduction** | **Load (kg/day)** |
| Point Source WLA | Upgrade 2 facilities to advanced treatment | 262 |
| Point Source Reserve MOS (20%) | -- | 65 |
| Natural Nonpoint Source LA | 0% | 1902 |
| Natural Nonpoint Source MOS (0%) | -- | 0 |
| Man-made Nonpoint Source LA | 70% | 367 |
| Man-made Nonpoint Source MOS (20%) | -- | 93 |
| TMDL | -- | 2689 |

Dischargers:

City of Bernice
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfall 003
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfalls 001, 002
Advanced Treatment

City of Haynesville
Advanced Treatment

**080901**

**Boeuf River**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Boeuf River, 080901

| ALLOCATION | SUMMER | | WINTER | |
|---|---|---|---|---|
| | % Reduction Required | (MAY-OCT) (lbs/day) | % Reduction Required | (NOV-APR) (lbs/day) |
| Point Source WLAs | | 1790 | | 1934 |
| Point Source Reserve MOS @ 20% | | 447 | | 483 |
| Nonpoint Source LA | 90% in Middle and Lower Sections | 82971 | 20% in Middle Section | 161907 |
| | | | | |
| | | | | |
| Nonpoint Source Reserve MOS @ 10% of Man-Made | 10 | 2358 | 10 | 24294 |
| TMDL | | 87566 | | 188618 |

Dischargers:

Town of Rayville
Upgrade from effluent limits of 10 mg/l $BOD_5$/5 mg/l $NH_3N$ to effluent limits of 5 mg/l $BOD_5$/5 mg/l $NH_3N$

All other dischargers remain at their current permit limits.

**080903**

**Big Creek**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Big Creek, 080903
Current Standard: 5.0 mg/l Critical summer season (May - Oct)

| TMDL component loads | BOD Loading (lbs/day) | % of TMDL |
|---|---|---|
| Headwater/Tributary Loads | 33 | 0.13 |
| Benthic Loads | 22,317 | 89.73 |
| Point Source Loads* | 891 | 3.60 |
| Margin Of Safety | 1,634 | 6.54 |
| Reduction of man-made nonpoint | 35% - 75% | |
| Total maximum daily load (TMDL) | 24,875 | 100 |

* Dischargers listed on following page.

# 080903

## Big Creek

| Dischargers | | | | Proposed Permit Limits | |
|---|---|---|---|---|---|
| Pt. Source / Facility Description and Reach # | Receiving Stream | Included in the Projection Model (Yes/No) | Anticipated/ design flow (cms) | $CBOD_5$ (mg/l) | $NH_3N$ (mg/l) |
| Mangham Wastewater Treatment Plant - LA0032115 | Big Creek | Yes | 0.0028 | 10.0 | 10.0 |
| Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 001 & 004 | Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou | No | 0.0006573 | 30.0 | 15.0 |
| Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 002 & 003 | Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou | No | 0.0153361 | 45.0 | 15.0 |
| Oak Grove Wastewater Treatment Facility - LA0043648 | Unnamed ditch, thence into Little Colewa Bayou, thence into Big Creek, Thence into Boeuf River | No | 0.0131453 | 15.0 | 10.0 |
| EPPS Compressor Station #66 - LA0007625 | Unnamed highway ditch; thence into Big Colewa Creek; thence into Big Creek | No | 0.0001315 | 45.0 | 15.0 |
| Elysian Fields WWTP - LAG540290 | Unnamed ditch, thence into Hwy 135 roadside ditch, thence into Little Creek, thence into Big Creek | No | 0.0021909 | 45.0 | 15.0 |
| Sugar Hill Community - LAG540138 | Unnamed ditch, thence into Big Creek, thence into Bayou Boeuf | No | 0.0009859 | 45.0 | 15.0 |
| Bee Bayou Truck Stop - LA0111741 | Unnamed ditch, thence into Cow Bayou, thence into Big Creek | No | 0.0001315 | 45.0 | 15.0 |
| Mangham Square Apartment - LAG540492 | Unnamed ditch, thence into Buzzard Creek, thence into Big Creek | No | 0.0009859 | 45.0 | 15.0 |
| Branch Crossing STP - LAG530224 | unnamed ditch, thence into Burns Bayou, thence into Bee Bayou. | No | 0.0001928 | 45.0 | 15.0 |
| LI Ready Mix Plant #27 - LAG110071 | Unnamed ditch, thence into Little Creek, thence into Big Creek | No | 0.0002191 | 45.0 | 15.0 |

**080909**

**Crew Lake**

**TMDL for BOD**

Total Maximum Daily Load (Sum of CBOD, $NH_3$-N, and SOD)

| ALLOCATION | Annual | |
|---|---|---|
| | % Reduction Required | (Jan-Dec) (lbs/day) |
| Point Source WLA* | 0 | 18 |
| Point Source Reserve MOS | 0 | 4 |
| Natural Nonpoint Source LA | 0 | 891 |
| Natural Nonpoint Source Reserve MOS | 0 | 0 |
| Manmade Nonpoint Source LA | 95 | 357 |
| Manmade Nonpoint Source Reserve MOS | 0 | 40 |
| TMDL | | 1310 |

* A facility review was performed at the time this TMDL was developed. Most of the dischargers in this watershed are small and located on tributaries or ditches to the 303(d) listed waterbody. These were not included in the TMDL model. It is unlikely that they will have an impact on the targeted waterbody due to the small load and/or the distance from the waterbody named on the 303(d) lists. These dischargers are included in the TMDL load calculations using their current state policy based permit limits along with their anticipated flows. Thus, they can continue to be permitted based on the State effluent limitations policy.

**081501**

**Castor Creek**

**TMDL for BOD**

| TMDL to meet DO Standard of 5 mg/L | Summer season (May - Oct) | | Winter season (Nov - Apr) | |
|---|---|---|---|---|
| | BOD Loading (lbs/day) | % of TMDL | BOD Loading (lbs/day) | % of TMDL |
| Total point source allocations | 0 | 0 | 0 | 0 |
| (WLA) | 0 | 0 | 0 | 0 |
| Point source margin of safety (MOS) | 2 | 0.03 | 25 | 0.01 |
| Headwater/Tributary Loads | | | | |
| Benthic Loads | 4,807 | 79.77 | 2,442 | 98.52 |
| Incremental Loads | 12 | 0.20 | 12 | 0.47 |
| Nonpoint source margin of safety (MOS) | 1,205 | 20.00 | 619 | 20.00 |
| Total maximum daily load (TMDL) | 6,026 | 100 | 3,098 | 100 |

Dischargers:

Several point sources fall within the Castor Creek subsegment. These facilities were deemed either intermittent stormwater or minor discharges on unnamed tributaries and were not included in this model. Limits for these small facilities are generally set by state policy or guidelines and can continue as such.

**081504**

**Flat Creek**

**TMDL for BOD**

| **Calculation of the TMDL for the current DO criterion of 5.0 mg/L year-round** | | | |
|---|---|---|---|
| Load description | WLA (lbs/day) (oxygen-demanding pollutants) | LA (lbs/day) (oxygen-demanding pollutants) | Reserve/ MOS Load (lbs/day) |
| Point Source loads | 22 | | 6 |
| Headwater / Tributary loads | | 10 | |
| Benthic loads | | 2,171 | 0 |
| **SUB-TOTAL** | **22** | **2,181** | **6** |
| | | | |
| ***TMDL = WLA + LA + MOS*** | | ***2,209*** | |

Dischargers:

Village of Sikes (LAG540647) discharges 20,000 gallons per day into a tributary of Flat Creek. The Village of Sikes will receive monthly average effluent limits of 30 mg/L $BOD_5$ and 15 mg/L $NH_3$-N (Statewide Sanitary Effluent Limitations Policy).

**081003**

**Deer Creek**

Town of Wisner 0.2034 MGD 10 $BOD_5$/15 TSS/5 $NH_3$-N/5 DO

**080912**

**Tisdale Brake/Staulkinghead Creek**

| | | |
|---|---|---|
| Town of Bastrop (Main Plant) | 0.7 MGD | 10 $BOD_5$/15 TSS/5 $NH_3$-N/5 DO |
| Town of Bastrop (West Pond) | 0.4 MGD | 20 $BOD_5$/20 TSS/10 $NH_3$-N/5 DO |

**081608**

**Big Creek**

| | | |
|---|---|---|
| Town of Dry Prong | 0.14 MGD | 10 $CBOD_5$/5 $NH_3$-N /6 DO (Summer/April-Oct)<br>10 $CBOD_5$/10 $NH_3$-N /6 DO (Winter/Nov-March) |
| Town of Pollock | 0.108 MGD | 30 $BOD_5$/15 $NH_3$-N (year-round) |

**BOD and Nutrients TMDLs**
**For**
**Ouachita River Basin Subsegments**

**080201 Ouachita River**
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitado(f).pdf

**080302 Black River**
http://www.epa.gov/region6/water/ecopro/latmdl/blackdo(f).pdf

**080501 Bayou de L'Outre**
http://www.epa.gov/region6/water/ecopro/latmdl/deloutredo(f).pdf

**080607 Corney Bayou**
http://www.epa.gov/region6/water/ecopro/latmdl/corneydo(f).pdf

**080902 Bayou Bonne Idee**
http://www.epa.gov/region6/water/ecopro/latmdl/bonneideedo(f).pdf

**080904 Bayou Lafourche**
http://www.epa.gov/region6/water/ecopro/latmdl/lafourchedo(f).pdf

**080910 Clear Lake**
http://www.epa.gov/region6/water/ecopro/latmdl/clearlakedo(f).pdf

**081002 Joes Bayou**
http://www.epa.gov/region6/water/ecopro/latmdl/joesdo(f).pdf

**081201 Tensas River**
http://www.epa.gov/region6/water/ecopro/latmdl/tensasdo(f).pdf

**081202 Lake St. Joseph**
http://www.epa.gov/region6/water/ecopro/latmdl/stjosephdo(f).pdf

**Fecal Coliform TMDLs**
**For**
**Ouachita River Basin Subsegments**

**080102 Bayou Chauvin**
http://www.epa.gov/region6/water/ecopro/latmdl/fcchauvin(f).pdf

**080610 Middle Fork Bayou D'Arbonne**
http://www.epa.gov/region6/water/ecopro/latmdl/fcmfbdarbonne(f).pdf

**080905 Turkey Creek**
http://www.epa.gov/region6/water/ecopro/latmdl/fcturkeycr(f).pdf

**080910 Clear Lake**
http://www.epa.gov/region6/water/ecopro/latmdl/fcclearlake(f).pdf

**081001 Bayou Macon**
http://www.epa.gov/region6/water/ecopro/latmdl/fcmacon(f).pdf

**081602 Little River**
http://www.epa.gov/region6/water/ecopro/latmdl/fclittler(f).pdf

**Turbidity, TSS, TDS, Cl, $SO_4$ TMDLs**
**For**
**Ouachita River Basin Subsegments**

**Ouachita River Basin (13 subsegments) for TSS, Turbidity**
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitatss(f).pdf

**081501 Castor Creek for Cl, TDS/Salinity**
http://www.epa.gov/region6/water/ecopro/latmdl/castorcl_tds(f).pdf

# PEARL RIVER BASIN

# TMDLS/WLAS

# RED RIVER BASIN

# TMDLS/WLAS

**100101**

**Posey Branch**

| | | |
|---|---|---|
| City of Coushatta | 0.185 MGD | 30 $BOD_5$/90 TSS/6 DO |

**100305**

**Mahlin Bayou/McCain Creek**

| Discharger | Design Flow (MGD) | Effluent Limits ($BOD_5$/TSS/$NH_3$-N/DO) |
|---|---|---|
| Caddo Sewer District #7 | 1.0 | 30/30/15/5 |
| Town of Blanchard POTW | 0.5 | 20/20/10/5 |
| Hillside Mobile Home Park | 0.0309 | 20/20 * |
| Country Aire MHP | 0.0204 | 30/30 * |
| Northwood MHP | 0.0168 | 30/30 * |

* Based on the Statewide Sanitary Effluent Limitations Policy, ammonia (NH3) limitations are assumed to be one half the $BOD_5$ loading.

**100402**

**Red Chute Bayou**

Effluent Limits:

20 $CBOD_5$/10 $NH_3$-N/2 DO May-October
30 $CBOD_5$/15 $NH_3$-N/2 DO November-April

| Discharger | Design Flow (MGD) |
|---|---|
| Dogwood North | 0.175 |
| East Highland | 0.030 |
| Espanita Forest | 0.059 |
| Dogwood South | 0.299 |

**100710**

**Unnamed Tributary to Grand Bayou**

| | | |
|---|---|---|
| Town of Hall Summit | 0.056 MGD | 10 $CBOD_5$/15 TSS/10 $NH_3$-N |

**100801**

**Saline Bayou**

| | | |
|---|---|---|
| Village of Saline | 0.034 MGD | 20 $CBOD_5$/20 TSS |

**100804**

**Unnamed Tributary to Saline Bayou**

| | | |
|---|---|---|
| City of Arcadia | 0.85 MGD | 10 $CBOD_5$/2 $NH_3$-N/6 DO |

**101303**

**Iatt Creek**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| ALLOCATION | SUMMER (MAR-NOV) | WINTER (DEC-FEB) | % Reduction |
|---|---|---|---|
| Point Source WLA | 84 (lbs/day) | 84 (lbs/day) | 0 |
| Point Source MOS (20%) | 20 | 20 | |
| Natural Nonpoint Source LA | 553 | 622 | 60 |
| Natural Nonpoint Source Reserve MOS (20%) | 82 | 86 | |
| Manmade Nonpoint Source LA | 2185 | 1563 | 60 |
| Manmade Nonpoint Source Reserve MOS (20%) | 31 | 42 | |
| TMDL | 2955 (lbs/day) | 2417(lbs/day) | |

**Point Source Summary**
**FACILITY:** Winn Correctional Facility

**Permit Number**: LA 0107000

**TMDL PERMIT LIMITS:** 10 mg/l BOD5

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to CBOD5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on CBOD5***

**101605**

**Bayou Cocodrie**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| ALLOCATION | SUMMER (MAY-OCT) | WINTER (NOV-APR) | % Reduction |
|---|---|---|---|
| Point Source WLA* | 0 (lbs/day) | 0 (lbs/day) | 0 |
| Nonpoint Source LA | 474 | 472 | 95 |
| MOS (10%) | 0 | 0 | |
| TMDL | 474 (lbs/day) | 472 (lbs/day) | |

* There are currently no point source dischargers in this waterbody.

# SABINE RIVER BASIN

# TMDLS/WLAS

**110701**

**EPA's Hg TMDL for Coastal and Gulf Waters**

**http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf**

# TERREBONNE BASIN

# TMDLS/WLAS

**120111**

**Bayou Maringouin**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| ALLOCATION | SUMMER | | WINTER | |
|---|---|---|---|---|
| | % Reduction Required | May – October (lbs/day) | % Reduction Required | November-April (lbs/day) |
| Point source WLA | 0 | 0 | 0 | 0 |
| Point source MOS | 0 | 0 | 0 | 0 |
| Natural nonpoint source LA | 50 | 677 | 0 | 855 |
| Natural nonpoint source MOS | 0 | 0 | 0 | 0 |
| Manmade nonpoint source LA | 100 | 0 | 90 | 51 |
| Manmade nonpoint source MOS | 0 | 0 | 0 | 4 |
| TMDL | | 677 | | 910 |

Note: UCBOD as stated in this allocation is ultimate CBOD. Permit limitations are generally based on $CBOD_5$. UCBOD to $CBOD_5$ ration is 2.3 for all treatment levels.

**120201**

**Lower Grand and Belle River**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| **ALLOCATION** | **SUMMER** | | **WINTER** | |
|---|---|---|---|---|
| | % Reduction Required | March – November (lbs/day) | % Reduction Required | December-February (lbs/day) |
| Point source WLA | 0 | 302 | 0 | 919 |
| Point source MOS | 0 | 75 | 0 | 229 |
| Manmade nonpoint source LA | 65 | 46,078 | 65 | 38,330 |
| Manmade nonpoint source MOS | 0 | 11,519 | 0 | 9,583 |
| TMDL | | 57,974 | | 49,061 |

Note: UCBOD as stated in this allocation is ultimate CBOD. Permit limitations are generally based on $CBOD_5$. UCBOD to $CBOD_5$ ration is 2.3 for all treatment levels.

# 120201

# Lower Grand and Belle River

## Point Source TMDL Summary 120201

| | | CURRENT EXPECTED FLOW | CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS | | MOS FLOW | TMDL MONTHLY AVERAGE CONCENTRATION LIMITS | | TMDL MONTHLY MASS LIMITS | |
|---|---|---|---|---|---|---|---|---|---|
| **FACILITY** | **FILE NO.** | **GPD** | **$BOD_5$/$CBOD_5$ (mg/L)** | **$NH_3$-N (mg/L)** | **GPD** | **$BOD_5$/$CBOD_5$ (mg/L)** | **$NH_3$-N (mg/L)** | **$CBOD_5$ (lbs/day)** | **$NH_3$-N (lbs/day)** |
| Bayou Pigeon Bridge | 98434 | 500 | 30 | 15 | 599.14 | 30 | 15 | 0.13 | 0.06 |
| Oak Grove Apartments | 42708 | 25,000 | 30 | 15 | 31,383.65 | 30 | 15 | 9.39 | 3.13 |
| Belle River STP | 19218 | 60,000 | 10 | 10 | 74,179.53 | 10 | 10 | 5.01 | 5.00 |
| The Oaks at Belle River Subdivision | 84826 | 34,000 | 20 | 10 | 42,795.88 | 20 | 10 | 5.67 | 2.84 |
| Stephensville STP | 19217 | 390,000 | 10 | 10 | 487,873.03 | 10 | 10 | 32.55 | 32.55 |

**120501**

**Bayou Grand Caillou**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| ALLOCATION | SUMMER | | WINTER | |
|---|---|---|---|---|
| | % Reduction Required | March – November (lbs/day) | % Reduction Required | December-February (lbs/day) |
| Point source WLA | 0 | 7 | 0 | 7 |
| Point source MOS | 0 | 2 | 0 | 2 |
| Manmade nonpoint source LA | 80 | 732 | 80 | 626 |
| Manmade nonpoint source MOS | 0 | 183 | 0 | 157 |
| TMDL | | 924 | | 792 |

Note: UCBOD as stated in this allocation is ultimate CBOD. Permit limitations are generally based on $CBOD_5$. UCBOD to $CBOD_5$ ration is 2.3 for all treatment levels.

**Point Source TMDL Summary 120501**

| FACILITY | FILE NO. | CURRENT EXPECTED FLOW (GPD) | CURRENT CONCENTRATION LIMITS | MOS FLOW (GPD) | TMDL CONCENTRATION LIMITS |
|---|---|---|---|---|---|
| Weatherford Petco Inc | LA0083178 | 540 | 30 mg/l $BOD_5$ | 135 | 30 mg/l $BOD_5$ |
| McDonald's Corp | LAG531165 | 3280 | 30 mg/l $BOD_5$ | 820 | 30 mg/l $BOD_5$ |
| Hill City Oil Co. of Miss. | LAG750227 | 1500 | 30 mg/l $BOD_5$ | 375 | 30 mg/l $BOD_5$ |
| Smith Intl Inc. | LAG531003 | 500 | 30 mg/l $BOD_5$ | 125 | 30 mg/l $BOD_5$ |

**120503**

**Bayou Petit Caillou**

**Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)**

| **ALLOCATION** | **SUMMER** | | **WINTER** | |
|---|---|---|---|---|
| | % Reduction Required | May – October (lbs/day) | % Reduction Required | November-April (lbs/day) |
| Total nonpoint source LA | 75 | 1,674 | 75 | 1,340 |
| MOS (10%) | | 208 | | 167 |
| Future Growth Reserve (10%) | | 208 | | 168 |
| TMDL | | 2,090 | | 1,675 |

# 120605

# Bayou Pointe au Chien

**120806**

**EPA's Hg TMDL for Coastal and Gulf Waters**

**http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf**

# APPENDIX A

# AREAWIDE POLICY FOR LOWER LAKE PONTCHARTRAIN BASIN SEGMENT 0401

This areawide policy applies to all sanitary wastewater treatment facilities located in the following *listed* named waterbodies or those waterbodies which contribute to and are contained within the drainage area of the listed waterbodies in the lower half of Segment 0401 of the Lake Pontchartrain Basin[1]:

Draughan Creek
Beaver Bayou
Airforce Depot Canal
Shoe Creek
Hurricane Creek
Jones Bayou
Blackwater Bayou
Cypress Bayou (below Baker Canal)
White Bayou (below Baker Canal)
South Canal
Saunders Bayou
Redwood Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater shall be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   $NH_3$-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having a expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   $BOD_5$ 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

[1] The Baker Canal, upper White Bayou, and upper Cypress Bayou and their tributaries are excluded.

# AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0402

This areawide policy applies to all sanitary wastewater treatment facilities located in the following areas:

Ascension Parish
East Baton Rouge Parish
Iberville Parish

and which discharge directly into Bayou Manchac or any other waterbodies which contribute to and are contained in the Bayou Manchac drainage area in Segment 0402 of the Lake Pontchartrain Basin. This includes but is not limited to the following waterbodies:

Bayou Fountain
Wards Creek
Dawson Creek
Alligator Bayou
Welsh Gully
Cotton Bayou
Muddy Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   $NH_3$-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   $BOD_5$ 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

# AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0403

This areawide policy applies to all sanitary wastewater treatment facilities discharging directly into the Amite River or any of the following waterbodies or tributaries to these waterbodies (includes but is not limited to) in segment 0403 as follows:

East Baton Rouge Parish

Redman Lake
Clay Cut Bayou
Jones Creek
Honey Cut Bayou
Hub Bayou
Sandy Creek
Kidds Creek
Whittten Creek

Northwest Livingston Parish

Spillers Creek
Clayton Creek
Beaver Creek
Colton Creek
Long Slash
Gray's Creek
Colyell Bay

The areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   $NH_3$-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be limited as follows:

   $BOD_5$ 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

# AREAWIDE POLICY FOR ST. TAMMANY PARISH

This areawide policy applies to all sanitary wastewater treatment facilities in the following area:

*St. Tammany Parish*

All sanitary wastewater treatment facilities which discharge directly into any of the following waterbodies or into waterbodies which contribute to and are contained within the drainage area of both the Lake Pontchartrain Basin and the Pearl River Basin. These waterbodies include, but are not limited to the following:

West Pearl River
Bayou Lacombe
Tchefuncte River
Bogue Falaya River
Abita River
Bayou Bonfouca
Bayou Liberty
Lake Pontchartrain

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   $NH_3$-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 10,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 10,000 gpd and less than 100,000 gpd will be limited as follows:

   $BOD_5$ 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 10,000 gpd or all other facilities having an expected flow of less than 10,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Post-aeration with an effluent dissolved oxygen limit of 5 mg/l may be required on a case-by-case basis.

6. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

# AREAWIDE POLICY FOR VERMILION RIVER BASIN SEGMENT 0608

This areawide policy applies to all facilities discharging directly into the Vermilion River or into any named or unnamed waterbodies which contribute to and are contained within the drainage area of the Vermilion River in Segment 0608 of the Vermilion River Basin[1] .

This areawide effluent limitations policy is as follows:

*Sanitary Wastewater Treatment Facilities*

1. All Publicly Owned Treatment Works (POTW) having a design capacity greater than 25,000 gallons per day (gpd) or any other facility having an expected flow greater than 25,000 gpd will be limited as follows:

**April through November**

$CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)
$NH_3$-N 5 mg/l (avg) / 10 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

**December through March**

$CBOD_5$ 20 mg/l (avg) / 30 mg/l (max)
$NH_3$-N 10 mg/l (avg) / 20 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

2. All POTW's having a design capacity less than or equal to 25,000 gpd or all other facilities having an expected flow less than or equal to 25,000 gpd will be limited as follows:

$BOD_5$ 30 mg/l (avg) / 45 mg/l (max)

3. Specific concentration limits for the City of Lafayette POTW's[1] will be established through consultation with local representatives.

4. Disinfection will be required for all sanitary wastewater dischargers.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

*Industrial Dischargers*

Industrial dischargers will be required to treat to equivalent levels.

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[1] The above effluent limitations were established based upon the wasteload allocation model developed for the Vermilion River (Wasteload Allocation for the Vermilion River, 1987)..

[1] Flows of these plants may be adjusted such that total Wasteload allocation limitations are not exceeded.

# APPENDIX B

# STATEWIDE SANITARY EFFLUENT LIMITATIONS POLICY

1. The Atchafalaya, Red, and Mississippi Rivers are river systems which because of flow or dispersion would not be significantly impacted by a secondary discharge of the largest size to be reasonably expected from these areas. STP's discharging into these systems will be assigned *SECONDARY TREATMENT.*

2. Dischargers given specific limits in the original Basin Plans will be assigned those limits.

3. Areawide policies adopted by the Department for establishment of effluent limits in specified area of the State, will supersede limits assigned in the original 1980 Basin Plans.

4. Dischargers included in the original Basin Plans with a range of effluent limits will be assigned according to the following schedule:

| FLOW | TREATMENT LEVEL MG/L |
|---|---|
| 25,000-100,000 GPD | 10 $BOD_5$/15 TSS |
| More than 100,000 GPD | 10 $CBOD_5$/15 TSS/5 $NH_3$ [+] |
| Basin Plan limit of 5/5/2 | 10 $CBOD_5$/15 TSS/2 $NH_3$ [+] |

5. Remaining dischargers will be assigned effluent limits according to the following schedule:

| FLOW | TREATMENT LEVEL MG/L |
|---|---|
| <25,000 GPD | 30 $BOD_5$/30 OR 90 TSS Secondary[*] |
| 25,000 – 50,000 GPD | 20 $BOD_5$/20 TSS Advanced Secondary |
| >50,000 GPD | 10 $BOD_5$/15 TSS Advanced |

For dischargers greater than 500,000 GPD, these limits will remain in effect until an individual analysis (wasteload allocation or total maximum daily load analysis) is performed.

6. Individual dischargers may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department.

NOTE: The original Basin Plans are the volumes comprising the original 1980 Water Quality Management Plan.

[+] Whenever $NH_3$ limits are assigned to a facility, $CBOD_5$ will be required rather than $BOD_5$ .

[*] Louisiana Administrative Code: Volume 14, 33:IX.711D

- Mechanical Treatment Systems = 30 TSS
- Oxidation Ponds = 90 TSS